

Lectures on Pathology. ment year 1808 The Giver after sing negral of life then them of life nd -025 (the cropsed) & afterwards Change of fitnetion in 12:4. — then Epidemies after words - bund - envon - Thunderbe

they sit still, or are unemployed. M This singular Source of the origin of Jewer was first ported out ley Don Blane. He tells us that upon mixing the Crews of Thispoo, or fringing security into the fleet, a fewer of the typhus kind fuguently followed. I have assisted the prevalence of this fever in the American army in the year 2776 in pant to this cange. The army was Impour meanly every State in the Union. The Influence in 1793 from thench propole from Daningo]

morbid where prosperate 91 3 Low vapid regetable drit. 4 portrid animal anit. 5 a Seanty grantily of sound aliment. 6 Deprepion of mind with each other!
If The mintere of thomas with each other!
The mintere of the enumeration of all these and causes of fiver from human missmath, or, it is easy to account for the greater we frequency of this fever in the time of war than in the time of peace for want of the empirement Cleanlines to brifingment in Jailsin prison flips - or besiged towns - also to vapoid - putris & seanty aliment

& lastly it brings quat many strangers

& lastly to grif of mind which is the

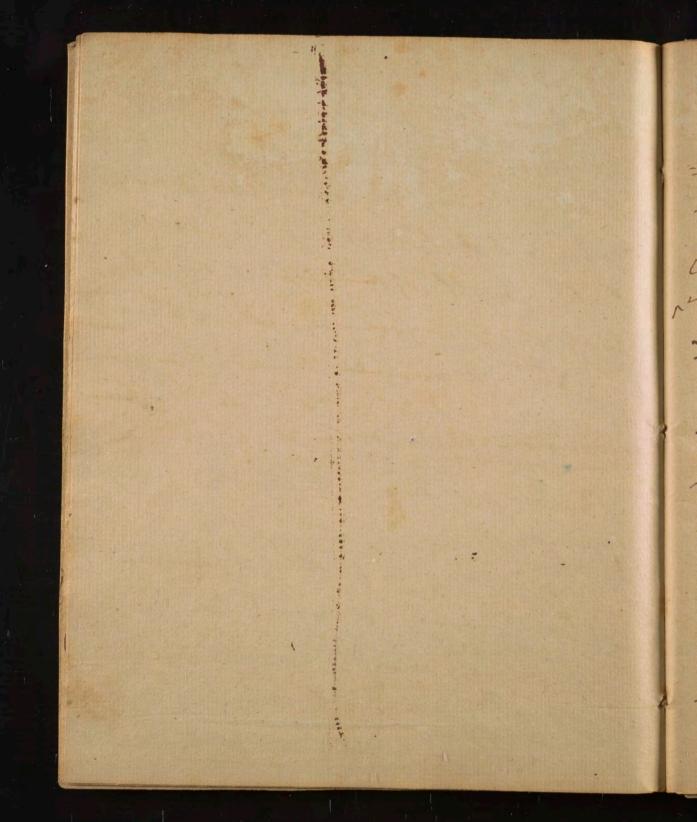
together 
in fluence of Confinement in producing human minimater, that lobbins augue contract fevers from that

V 80 Lugious died in two years of the langs frees in the austrian army in 1791.2 -

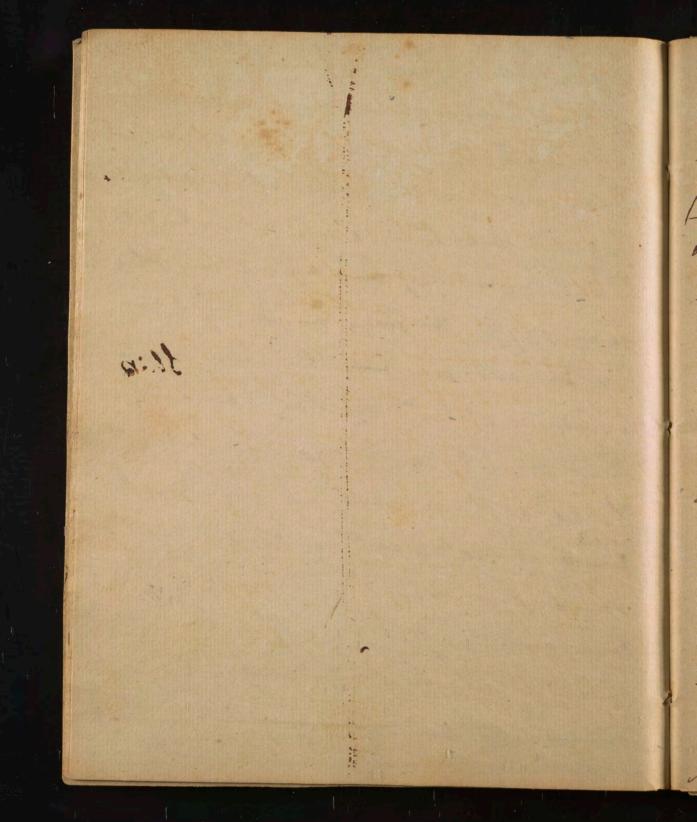
cause only by Hussing in this tents during a lampaign. He hamere and postiline have often followed the boot: on esteps of war. Shaher bear described them both as eventhing for employ? : mount as the feet of Cesar when the on girod on his hord. - The connection es between them is a very national One - for while was begets a Searting - nep of provision by drawing men from agriculture - postilenes fellows the operation of all the causes of it which have been mentioned: Han a human brogg infectitud from an effluira engendered within itself? I amment in the affirmative, and are fully sutplied that the

Veferer is propagated, by it is from this excretion, and by not a Suretwo water as in the humbs Applall pop. I They are derived phiefly from vitiatio perspirable matter. It is profitte the other extretions in a putil state will certainly modern Discose but they are almuch lip frequent some of disease than the perfination.

flyids stagnating from all the comes that have been emplowerated in the extrema repels which trominate in the Shin grapy be as vitiated, as to become afterit friends to the ad System and this brown a true ty: or - phus or jail fever. where this yes The following arrumstances desure human human bushing of the history of the histo 2 They are engandered wore frequently and are more detricin winter than in Summer is of this I saw many instances in our fromy & has military hospitals during the late lover. We oldom sam a typhus in warm weather where it was safe, and



agreeable to pup the doors & windows of our hospitals open. I will semen ber that a most milignant typhus bushe out in the house of employmi: In this city was then a parilitary hospitally we in this city wonth of an april in the one in the country of may a par 1977. As your writes of may a we opined our all the dross word windows of the hospital - and the fiver nearly disappeared. - about the 20" of the country un unusual week of cool weather obliged us to That our doors & windows - the bonsequence of with was, the fiverre = vived with fresh malignity, and whom were to Serior Upanior Sugares



De Holmes & Dryoning Jand one mate Irro Thompson - who belonged to the hos: Dr Rodgers, then a conte - myself - det almost every other Officer of y hospital. and In Blane in his me spay on the means of preventing ward diseases mentions a so fact of a minister areads with the organish have related. He says that the foll forer always disapprand in Voyages to the from England to the best Indies, the vearer they approached the warm latitudes - and inexased in Voyages hach again the means they ap: - monched the moist places of great Britain. Ite amounts for it very justly by averibing it to the disposition

V This disposetion of cold air to concentrate, and therfly to render more active Luman arriasmata will enable us to accordent for a singular feet in the bristony of the yellow fever. This fever is devised whalfy from the the minimate, and is nor in contagions in the west Indies & But I our country in warm weather (a) Cover of tentagion Loutement, of Spreads Tothe like a The Cloutter of a young man who died in Barbadous were out to his friends in this city and became the means of introducing the disorder among our Citizens. It is remarkable in these cases that it generally forwarded in any cases of supposed in the accurring here it is rankly that spines tilt top it Octob when down divido our are kept shut to keep outed

which Toldiers & Smilgs have to be upon dich in warm latitudes, which mounts the generation of for oresposes them to be carried off by fresh air as fast as they are generated. In Institute of Winter was period two years the annuice says by Winter During that time of a first constant in the bistory of He human minjointhe which is worthy of our attention is, that it adheres to cloathing of all kinds - more isparially to Justen and lotton, - him it is often in preserved so as to do produce a disune for days - hushs - and even months in apparel - and antains . - I once knew a Stocking which has been worn by a man in a typhico convey it to one of his fellow Len unts such tred it would his nech sweal days letter it had been thrown aside,

los the Contragion here if from the exerctions of the patients such as their brighth, ser. - Histon, & stagnation & sing, or faces. It is a new form of sutio / animal exhalation from defad matters, andiffers totally from the secuted fantagions of the male por foreus les to perhaps the fact ferres Happily Contagion from exerction analy be parented. Deflactis book lefters from VIt is the was thus comprised by the misones who has it spot at the sed Bailey in Lowdon if 1750 to several of the hadges by infectio clouttes.

I Shave heard of of conviction manyland udas came over to america in un in: - futro this, who wearly distroyed a whole family by freeting wearing a lost or waiscout out of his thest, and wearing it about the house three ad months after his being admitted and : nestion with the Jamily. - But this is not all - bounan miasmat as adhere to wood - and went to directione and brick walks. There was an instance Is a borden hospital at the Yellow retained thesterningeta suffer the with this first this to the stand of th buse in price or as to infect a min. : ber of Soldiers with a tryphing who were admitted into it during the

& Irwillan mentions an instance in withesemias Whenis to a forme houses for twood; Close Cleshen will for several years in landon! 10256. miasmyta V It is remarkable that the untigion which produces the typoses fever never ad: = heres to white washed walls, or to mus bulle , or to a ground beell floor. The former fact is established by the blownstrons of mostoward - and the latter lows frist pointed out by frutfage in his revenies, who directs the plans of all somilitary hospitals to be covered with hood, or any other matter. Do Tilton followed this advice with great downers in the construction of his but hospitals mas monistoron in the year 1780. -If The Persons are capable of injuting them. - relues - that is - posspisation when long retained, and confined, especially if it be

late liver. These facts gefit will help to imprep upon your minds the mupity of Marling the limin & surviving the crisquino of patients me in a typhens fewer also of placing Their beds in the emisdle of a room. It is we were fact that the lands of a dis-: case ashere to af wall. The depressy of the leves was at opre time, so malignant a mature as to make it newpary to in a leper winty winter homes to prevent the first wood first dion. on the operation of human miss:
-mata there are the things which dean me notice. Hether act chiefly upon prissons who are predisposed by · Finnins destitis, and uldown

combined with all the scanty diet - 2 dynesion of mind, will produce this discase, without any intercourse with persons infuted with it. 5 Persons highly charges with theretained and vitated persperation downstruces aff infect other propole, without being affected thereselved. It was communicated by lowe himinals boot from prison in this Clouths to the OW Bails to several of the Indges in the year 1750 who with Died with it. work of the Criminals has a were indisposed from it tum back

upon persons in pohom a bigor is preserved in the body or mind by one-or more and active flimulus. Convaliseents with of were mostles. - pond to the infection of the hospital during the late week lit has been remarked further, that megnant ho: Jainful absulpes or Jour frequently escape the fever altogether. The firmer has of distantion in the first lase, & of pain in the two last protect the System from infection. It is equally amushable that after parturition, The same to brown , and lefter the ofouring of an Absup, or the am: - putation of the limb the same

The your & with with with these miasona to operate on the dystom are greatly influenced by its being more or less predisposed by wahrels by the pupious of grif & fear . It is because The Lystem is always indisposed to this brays by great delicity that US: is so selform required to come the mias: believe the mains of the mias: mata which are emitted from mosbid him bodies - but many ani. mals under the circumstances of famine low or bad diet, & confine. ment emit aniasmater which pro. Thomas In more the Use of y b: army. mudness is worting but a malignous four produced in the rabid perimal. by the returnion of its mostrid persentions.

men often perish with the same je 42 remark frotter that a fiven from Brasish Inigenata with general me What is the biganes, and what is the one nature of those fives which appear to depend on human missmata? 20)
They produce
To this answer - & The typhus mitin Joil This is the offshing of fathe the causes of fiver francists ensures to. It is presend by great debility, and is within gradually - frequently withintills .- It affects the brain and newons histern in a great deque with stupor - tremoso - Subsultus de. - The asterial Lystem is affected with

V Sometimes these human missmate produce a finer w. apames, the malignant from of the plante 1=1 go on Sometimes of the plante of form it after appears in Juile cronded hospitals Sprison Ships I formerly to much misled by anthors as to believe the plague of Constantinople was denne exclusively from this cause, but I am now Jathsfied this is not The case and that the fewer that occasionally depolates that city, and Other cities of the last is derived from 2 the same kind of exhalations which produce our yellow fiver. It mines Some pustion hympstoms from bing So possibly from the filthest confirme

They in this fever 101 with fewers the blood repels with fewers there individually chronic thorn to their intermediate of action. The pulse is rethere intermeding fewers as to indicate U.S. - It is some to much excited as to indicate U.S. - It is some - times not quisher than natural. 2 Its They affect the veryons Lystern, and sunscles with Stupos & Communical transs, and the brain with a moderate degree of delisium. 3 They now be then indice Iwellings in the lynngshatie glands. I have seen them in the groins in the hospital hospital The of five of the malignant borne of mines man the Degree That this Discuse is engendered by all or part of the cir= mon tipping fam now satisfied from the virusing men tights which have

mod ly Other cities of the Part is derived from the same kind of exhalations which produce order yellow fever. It mines Some pustion hympstoms from bing So possibly from the filthet confine

tion of the Hornach is reldon affected. 2a the Sichness on Vormiting, and the uls are often regulary. The blood iel: dio. 00 in Disevers any mucho of a teptie edri Duny, and the bile is no change is. spean in the bile. - In the most tre alignand digners of this fever I have tory. in bulo's fand allers in the themat, be the V ensionally absupes in different parts of pries budy, but these hympotoms of put The things are very incommon?

The afficient format human

productoff the malignment borne of

mins mator the Plagest That this discuse is engendered by all or part of the cirmon tappins I am now ratisfied from the virusy new lights which have

I and from persons visiting the Island of It Kilda. Perspiration & breath in the missened by diet as to become an initiant to the temperate inhabitants of is stand of in the property who resided of years at Constantinople is duidely of this Opinion. It hordyee of Lowdon hus adopted it? Commentes it is now do then mo. = pagated by contagion from est. The time there as they produce Dypenting. This has often appeared in gamisons that were besieved, and, on board of crosded thips. - also his mittents & They Sometimes produce the disease called Sarry of which I hope to provide proofs here lefter. gots

probable modure the Inflicence.

go to to the 19th the stands modure the Inflicence.

as in Bellesyshen I total They dil to intribute the lad of

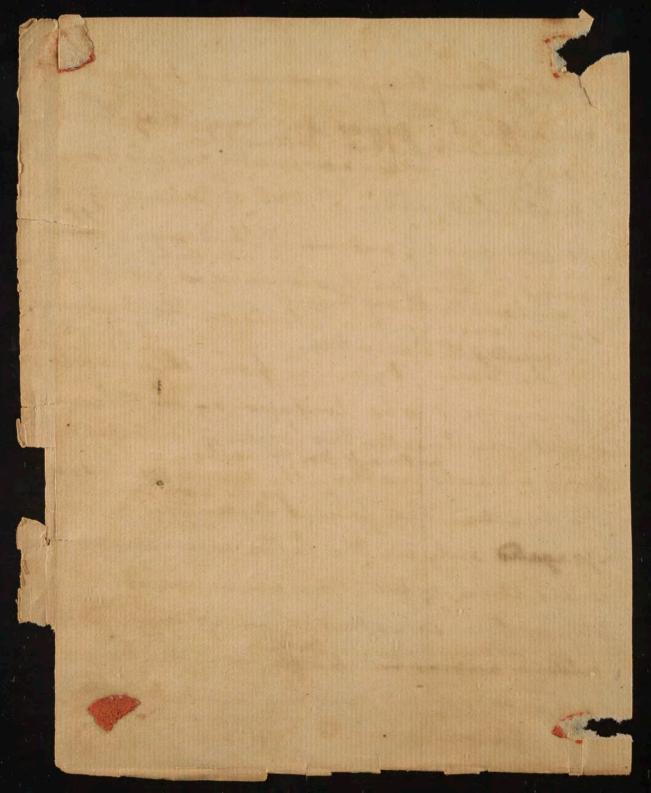
and thrown upon this the plague of mother wither philosophical travelless. De Roje informed me that a warm and moist foring lawer fails to produce the plague in the Constantinople - It is an existing cause added to a predisposition Imdiced by confinement the want of Clearlines & penny of diet - and that general depression of mind which as = = companies a State of Slavery. I It is comarhable that the plague coases intofill longthe ling the spring to in Egypt in the spring to in Egypt in the winter-owing to the humidity of the which growings amis these two different Jeasons in each of those countries - for humidity appears to be newpary to be I aplete its generation. The contagion

I They cometing produce an highwara or Cathorh after Bullerophon of this dis.

- case from Joipmans matic oxhalations is millished in the 4th wol: of Bellamy, Inedia - cal Immul ond in Dethangany, Thesis Jame cance of the Sysentry from the Sysentry.

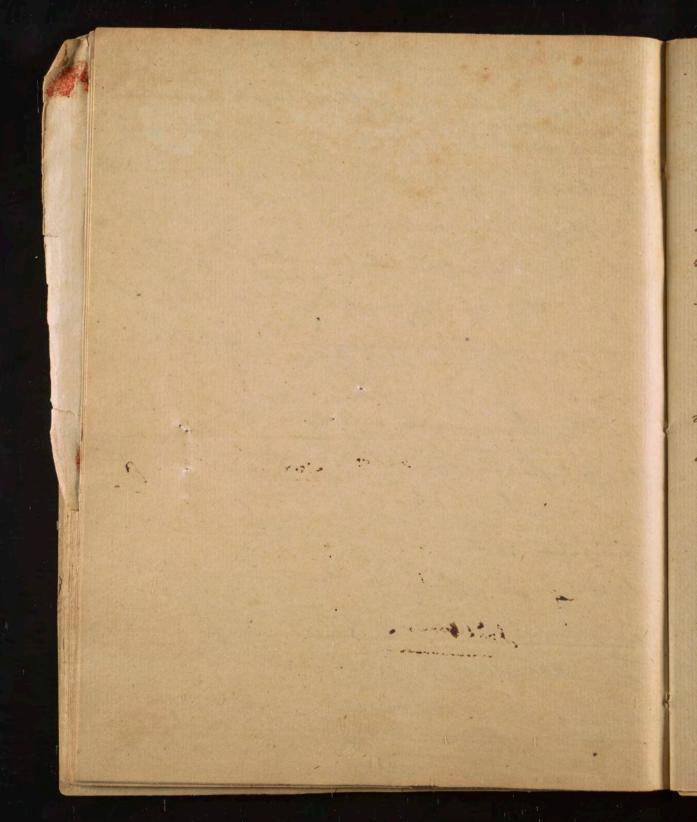
If much the Sysentry jame cause in your a apoutly

I The Tower, Dysentry from these shelan - trons is said to be Contagious . He There are I shall say hersefter two Speries of Contagion ! from a suretide matter the suond from executive - tid malter. The from Diodniason: Ext. - pageto only in the latter way . They were catino above to feet - They were pereade the They modure discove charges in Jails - hospite camps to prisons, and in mall & gold file go to page 108.1.0 tuts of poor people.



V Ullas relates a fact in his travels this the Island of Cuba which counts with the one I have mentioned from Volney. He tills us that when ever the Ipaniards get a little wettein a light Shower of rain - they plunge themselves all over in hater, or remain in the rain? till they are wet to the fkin. The aff vain here probably distroys by dilution the missmata which are of a little der on moisture only.

when formed resembles arrivamenta in formation one particular, and that is, its in the is prevented or if formed, it is destroyed and formed, it is destroyed by water - for movedney informs us us that the water Carriers at Cairo who are constantly washed by the water they carry, escape the plague when it is most epidemis in that city. The human effluria which produce the plague resemble the effluence, which mition or Juil forum, its Driging but in many other parties: -lars . - 1 It asheres to cloathing of all kinds and is often enverged by it to distant Countries. 2 It is not communicated to any great distance. 10,000 persons escaped to honders & in the year 1\$64, by



living on board of thisps in the Thames. 3 It produces bulos and other emptions on 4 It affects the faculties of the comind in the same way in persons who recover from it - particularly, the memory frotern 5 It is very apt to disposed to relapses, from enting arrival food - from hidden emotions - or from the gratification of the venercal appetitie. It differs from it only! in attaching and haddenly, & with hymps towns of insmense indirect within attaching this action it land. mature, and is accompanied with ling blood 2 It town keller in an Shorter time most fighten It hills frequently in on the 3 and 5th days - and Sometimes it extinguishes life as suddenly as lightening. Inthis

V the jail fines is to the Islague, w = the bilions is the yellow fever. 

case the contagion acts by inducing in mostrates the System below the point of life - 3 It is more general and affects a greater murber of people than the typhus or newous fluer. Both these by from appear to be very disease.

different graves of one pour disease.

perhaps him to within by Along from the perhaps the state of the same of the difference lettre cer them seems to depend chiefly upon the difference of Customs & Homenners between the inhabitants of Justing and Egypt and the institutes of great Britain It the United States of Jail four mition according to mos Howard is known only in the two latter bounties. In no fail in mospe however disty or enough except in quest Britain did he find a single instance of

It is muchable that the Blague has seldom been in mospe in the present century. In brance only in 1720 & in rugh news wiree the year 1865. - From Before this time it were year bor I V It proves by the bye that the blud is not affected primarily lent the bile. ten years together in Ing? - In these cases it was always ascribed to super importation - but this was not true, - it was most for. = bably generated in all the large in this of Energyse . The Different In him the greater of chamber of chambers . consumption of legetables from the - ture by altering the perspirations mant fevers. It to produce malig -3 Dysenting is

Ity jail or hispital fever. The 3 Species of fever from human effluria is the yellow flows. This Distance explained the origin of this disease. It produces without except of action in the asterial System. and a strong system trading in the flands. But its most vemarkable feature is affecting the liver with inflammation, and promoting a plentiful and another Secretion and exection of Bile. In this - it discovers original its, muddy or mashy extraction-for March missmata I said formerly have a puntiar affinity disposition to with uppy the liver and the Lile. The longs tothis from I wish it would be clearly established whather this fever was

from human miras mater -The yellow fever is said to be a crutine of the west hours only. This is as enoung as that the plague, is generated only in the Eastern Countries. The yellow ferer was known in greece & is described by Hijspainates. It prevails views anally at minor ea awarding to Dr Elighorn, & at Cadir auriding to D'Land. It por has for generated in the All the Soither inflates, I when althout has been said, to have lun imported into Charleston - Phila. I have york, yet I have no doubt now but it was in most cases generated in each of those places. I V The Influence is proleably a light degree of Sail fewert aforting the lungs is chiefly this certainly of aminal ougues fines from a Union

conveyed from time to time to the Conti-= ment of america - from west Indianson from the Umingans only . If from the latter-it will give us a new fact upon y. manpers & customs or rather idiosyneray Thus have I pointed out all the only by human minomata. They may be distinguished from the Le fevers which are produced by marsh miasmata Tby prevailing at all Jeasons - 2 By not being attended with remipions or a discharge of bile 3 by and thate of action in the before, and & by the a knowledge propagated by expretion. 6 by affecting debili. Fration, line often from 20 to 30 days.

I have only to and to this the What the wise huguan missinata sometimes act you the body at a time while it is impregnated with massh minsmate, and thus produce a fewest with a yellow thin and several other bilions dympotoms. Demonsoe, & Lamprisse latterly, Describe a fever of this kind . Sailors who arrive in fishly Ships in the west Indies are often affected with it. It is now & then propagated by the exerctions, & from hence as I Thallowy hereafter ) has aroten the error the west horis hipkague y said formerly +

occurring only in the autimin ? 2/19 3 By Ding attended with the fates of action in the asterial lygher of by vicinity, or exposure to its semite cause, 5 By lung checked by coto to ains. 4 The yellow fiver is distinguished from both, by the greater refolence of its hamptons
an ounsional yellow by faintrufs—
by the Color of the Shein of by a pendian

partie - full - olor - our jing - intermitting the

partie of the Horizon of the Horizon of the

Mattered - by a pendiar cast of loventer ance - 1969, liver which sent the billion of any of Is horse of black like referrand & down and anding to Ho House of lamence by an but of simple to the Atomach to boot the boy, where of has not been used: for the marshes of the plague drefer you to authors. It has viver yot been kufnen in america. I- N lest friend Tit to Son time a third home

of Jails, Ships d'Emisor is finerally from human masmifta. It is of great coping wence to distriguish the figures from these 3/ 6 as two formes of that miasmata that have been mentiosed, not only because they require different methods of cure, I but different prode means to powent an them. The bifions from is to be presented by esmoving the earla lation, of lead De vegdanifical mothers - but the I wil fund which is the Offening of la mosbid living bodies can only be prompted by domestic Charkings, - fife air - and and obvicating all its other runote Courses. Again the Sail fines can, & often preads afterwords

III we proud now to/09 mention a 3 Formel 3 bhabysticated air the the Bis changed with for by the breath or fine fires, on from allow both of thered) you have all read of the melancholly pres' of the death of a hunter of Englishmen who were compined together in a soom called the black hole at Calmetta. De Hales relates an amount of 3 persons of 4 perishing with a fever who is eated themselves ne as a hole in the ceiting of the house of Commono for the Jake of taking notes of a private debate. The fishness wi is contracted by Children in cometo Schools is probably derived only bonn the philips ficultion of the air.

this whole cities & Countries . The I find granantine laws carp operate the only against the latter discape. They I are ingutory against the bilions a or yellow fiver. The frame of blague has been indiscrimentating given to the four from both the causes we I have mentioned The son But they a are easily distriguished, & chriefly from I this different causes, mo webster calls the form from Dead misswata the bilcons of laque & the fines from housan opiasionata the inguinal plague. But these manip do not suffi: - ciently plioignate them In the worst cases of yellow friers no bile is feareth, or exercited owing to the prostrondufform Thou of excitment in the liver, nor

But this air produces Other diseases besides fevers. I know a lady who came not go into a coneded room to pay an afternoon's bisit, without being sined with a giddiness in the head, and I knew a gentleman July ut to the Junt who used to feel in the same ers weres trances a distriping poin in his necture The ypilipsay usually attaches in a comed-The phologist? air is proposably the are: thing cause of the fetts in such structions Discuses of the lungo are always more or les enercused by this air. It is more unhealthy at vight, than in the day trung owing to its mistruse

belong exchroinely to the Islague from howard miasmatof, for we see them fait of am at of loss for foregreen rames of for them. I hope they had better estain a They has better be doignated from this courses, thou their Sympotoms - for this anses are infiform, except now ofthin both concept in the production of fines. This is taken notice by Pringles, monoch this holm & Lamprisse, in which fase the fines is said to be much cout agions (except in Cairo) the Johnson disease called plague in Egypt is christy from the pagues of Lymina, & Constantinople, are firm kroms an mias. It is more unhealthy if persons who are thus confined labore or exercise, than if they salt sit still.

with the brant air of langles. The 4 his which is discharged from laine, Chancil, that is the Carboningas, of a most una holsome quality. It fore = generally produces graddines - head dech -Sichness - and Andden death. If The air is undered in he althy by being anixed with the 4 which is discharged from Jobil Coal during its inflamin all large towns. It acts chiefly on the lungo. De Stranger from a Country liter Thood is used for freel, seldown fails of being sired with a lough as soon as he enters the cities of London or Edin's Lad Ramsay informed me y. Degarden informed him that the litimes of Charleston some once undertochto

21 V The Swell of 4 their lesen that to dispose wento true - and to this Brigaone ascribes the pseulias with. = Done of the inhabitants of the bright - brushows of the volume mean haples. I artain odors in the air often induce: Disease. The fuells of reses scriolits have Sometimes destroyed life. Devisidet mentions that the over from napel nearly killed a unwher of boys at Jura. They were saved by large quantities of wine.

burer loud in their houses insteady wood, and that he own knew so many angles in that town as he did during the winter in which it was y fushion to burn this Craf. 6 The effluria of certain manufactures contribute to quetaminate the airparticularly all those manufactures which volatilize and diffuse this the Dir- the Junes of lead - Sulphur - on asenie -The matter which is discharged by plants in the eight a probably contri-: butes very much to muder the night Vais um holding But these are not all the Sources of imposity and cliscase in the his for

I It is obviated likewise by high walls,

the Eastern Countries the airis often wombined with of a matter which senders it modernly fatal if taken into the lango. It is avoided only by falling on the face, and bying there tell the air vindnegnated we the prisons - ons efflurin has pupidiner It is sulled Harmattan in Jonne Countries Brue calls it the Jamoon. There winds which come brings this deadly air alongs with it blows over large beds of Bitaming which abound is. the litriclie and - It is the decomposit - tion of these bitumeninous Jubstances by the intende heat of the fun, and in a volat.

The estimation of a lite tit. acid

Hete which is estimated by this heat that which is probably the matter that

V Persons who perigh from the action of this wind putrify in a for hours. no putrid firment is here introduced into the way, for this wolaind is probably of antile auti-= suptri nature. I shall hereafter are: for the proteind fruill in aminul I livoris in fisherefo & soon after death, upon other principles, than a change of properties from putrefaction The Lyrous Wind is commanon at alippo and in spring frants of Ituly. It is comming air heated by proping out a danly Country. It produces faire trues flangues de langues de

produces the Samoon . This idea was first sugges to to me by Dr Refo who ansomed and that he had ment? it to De Priestly who was much plund with it is this strikes I prices of walkly air, which the it proved deadly only to brute animals He tells his that at Jennaar a town on the rile which his in the lat: of 13:34. 36 m: and 30: 30.30 East from Greenwich the sometry on earth emits an air which is deadly to all aminals except man probably because he is not obliged to straps to it to receive his nourishment. mr Bruce lost

but no violent disease. Drygen, or pine Dephlog air producing by its ftimples a prodis sosition to inflam diseases, or an deflam toustitution of the air. It is exhalled from plants, Olivers & the Duays. It does not change the singible qualities of fr the air. Person from the feathore Ithe Country who were affected is: the yellow fires best furmer 1794 had it worse thank Other people, owing to their beninging basis into the city innisually infregnated with vaygen. Vippoerates long ago discribed this inflam Constitution.

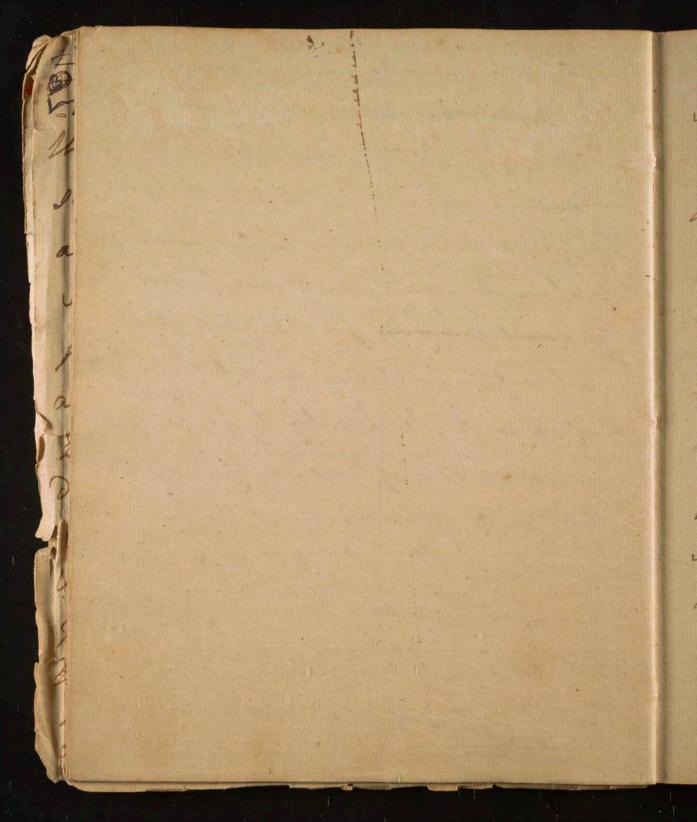
two grey hounds, & all his mules a for weeks after he arrived at this town. They die without discovering any outil discovering. The unwholsomoreps of the his is confined only to the rainy feason, and as soon as it comes on the inhabitants save this cattle de by sending them to some distance from the town. - No free flower exupt the lemon flower grows, it, but vice - wheat de millet thrive there, for the fut is unionmonly with & Justful. It is never overflowed by the ville. The custh when lixiniated affords a good deal of Salt. In walking oven some carth of this kind elsewhere mor Brice tills les he found prichting

Dydenhan Observed it - described it -Hamen to it - L'ascriber it to a mineral ysha lation from the leonels. V near Scroto Settlement there is a price of ground which formers fatal to deer. It killed two of molegonins puppies - Supposed to be owing to fixed air. + su hin's and of it, also De Thiry's to the a vapor is tometimed emilted from the earth when town by an with quale which mixed with the air ofproduces chiscores. This in 1692 informacia. The Vasson in this case had a most offensive fruell. 3,000 persons died of a fever produced by it a fin months afterwards. 11 18 a vapor is said to be smitted at certain times from Horings which Contaminate the Air. This was the case in one of the plagues at Wienna it had a bad built. Do in sounce.

pains in his ligg. - Jettis dis inflammable - of mephitic - 7. It is probably what can be the matres of this air? I should suppose it to be of the fixed or mephritic kind where it, the flame of a peak of grand of a menter of the state of the secretary of the state of the secretary of the of particular fileations in producing dio: - euro · - Leit: iv - Fub: 13.1792 These are diversified by town & town.
by vivon vil - by vivinity to mountains marshes i mill fronds - and Seashore also by a change of Situation from some of the alove places to Others - of earling which in Order. I The country is more or less farmamble

V In this Case it is newpany, there should be no ofsering for the best auch of the Rays of the fun at any time of the itay. A most of theires sad effects of upon health dife in a wood is contained in aletter from De modie of the British army in the Bost hais to mobile as respectable apo: - the cary at Bath. He says 1500 Soldies en = campad at Stinzusa in Lystens 1801 in a Valley covered with lofty trus . no exhala: : how took place in it except at midday when it was very great. after being there 20 days embashed, and soon afternas do 500 of them died including a number of officers. Within 200 yers of the above forest, on a high thealthy fituation, a Reg of Royal artitlery enjoyed good health. To return

to hutth, anding as it is more on les deared or cultivated. A new anuty is always healthy . Sisteres Death in hundreds around to view a lospose when it when it occurs, in a dead Corpse . I'm without must be grounds are not unhealthy, if they are thettered from the rays of the him by large and humerous bodies of trees. In the Delaware State men often work at the business of making thingles for weaks together in the ledar hvermps, without contracting the least indispression. The first det of cleaning a lountry is the usual haral for the appearance



of diseases provided the trimber which is int down opins a wet foil to the Jormias mater from a nighbouring oiver - Crech - or will pond. A Country thus charmed or opined will umain sichly for many years if ringsmements burne Stationary. - This is the case in many land - and in all the States beyond the Potono mae, where large propisions in land render it impracticable for the Crethiration to keep pace with the cleaning of the Country - and hence the Sichlines of those States - But in the horthern I middle states where cultivation I which consists in draining low

V The diseases produced by the air in the country are chiefly Influm: -intermitting b bilions fevers - and the Dysenting. The languid state of the bowels induced by a drit consisting chiefly of vegetables seems to presidence Country projete mare than the inhabi. - tants of cities to that the last of those distribus.

grounds - confining overflowing fram of water - and terring dipipating misture in graper and grafs / Jean, where this Carltination Success the clearing of a fountry, it sombles of Convertinet of years ago was so maily as Abject to bilions and intermitting ferers as the states of Delaware & many land, but they have both yerlowd to that general State of cultivation which has been introduced into that country, by the egnal and small divisions of lan-= ded property inthat which have taken Islace in that happy and enlightned

V Here the foundations of mor Compais remark that God whose the country, but every age, the hotbeds of vice, Disesse, misery . my De an says Ruiforun is to was not made to live in a crowd. Like thoughthe human peries sichen and tostry cach other when confined was the This they do not only by modering vies but Diseases of all sainds? - husrings at take notice the effects of the impurity of the atmosphere =

2 Towns and Cities are the graves of the burnan Species. - The first ausuntine have of a city is the book of genesis It was britt by Cain-probably that he might destry in a cound the age and in every brufitry have send wearly the same propose of estinguish. sing all moral fulling & reflection. But But he another place I shall point out the influence of the rank View of lites are changled in liters Tat prepent I am upon human life. Tat prepent I am = Other from the enumber of pursons been tone the same air - from the undrolsome exhalations of Disty

V and from the greater heat of cities occasioned by the confirment of hot for the walls of houses, & the tubse. - quent confinement of the hot air. But these are not the only formes of the un hullhiness of Cities. The Cattle. Stress tables inhelitants of Cities feed, being found by manuel are less more disposed to put on a putil disposition Than animals be Excetables raiso in a enutural foil & at a notance from lites. Lastly the water in Cities from the filth. of thats ogulters ofprivies convered into it is less healthy than river broaterson water where these mixtures Do not taleplace. In consequence of the oper-Stated by DePrine that in large lities

Dosho, yards & gardens & intolere Sewers the enalter employed in vigious manufactures. How are so further a Source of chouses & death, that the buly 3 - or 28 4/2 in an los dife every year in the country five die in the sume more ber extery year in a city. It is come puted that a come that a man loses a portion of his health or life who ettles in London before he is 30 years of his age - The hystern at that period it is arguines a Vigor which enables it to unist the causes of disesses before mentioned. The diseases which are produced by the air of a city are chiefly the bishins wither - womenings tions It some newwood affections. The Dynewtry of the formers in the middle States of an Dysentery which prevailed among the lower clap of natives at a Village in missionea lesst on by cating damaged whiat, who did not affect the Soldiers & other, in the Same town who lived on letter provisions. 1 dies in from 19 to 22 or 23: In moderate towns from 1 in from 24 to 28 - in Villages pa 1 - in from 40. to 50 hulundon - Die under 3 years old - in Vienna & Stock holm z under 2 - in Manchester ? under 5. in monthamp. -tron 2 under 10 years, but in hek with in york thise 's who are bom live to be 46 - Depine

is les common in litres, owing proba. - bly to the general use of tea - loffer -& wine . - and auntial fred while I was a stadent at the lole hers Jeney College a Dysentry broke out among the Strouts - but it was very remarka : ble that not a single boy from the cities of very work or Philade was Offertio with it. It was confined only to the but youngener who had ined foreviously to j'wring to follege or with or trigetable diet wentioned. But Justher. The qualities of air are influenced by other virunstanes, mich as the nature of the Soil of both towns & countries. A landy Soil by returning and reflecting more treat, disposes to

V mountains are cooler than level ground, and those mountains Which are wered with energreens cooler than Others. Invot appears earlier in the antremen & later in the Spring in the neighboreshed of pines - Hemborho fris de than of in the brightonshood of any This fourt trees. There are two ex-Litations to the healtheress of higher litutations to the Coloutton the plane, the States related by Dr. It: mellen - Trains prevail on the lights of health below, as prices to hain in Lina, viling

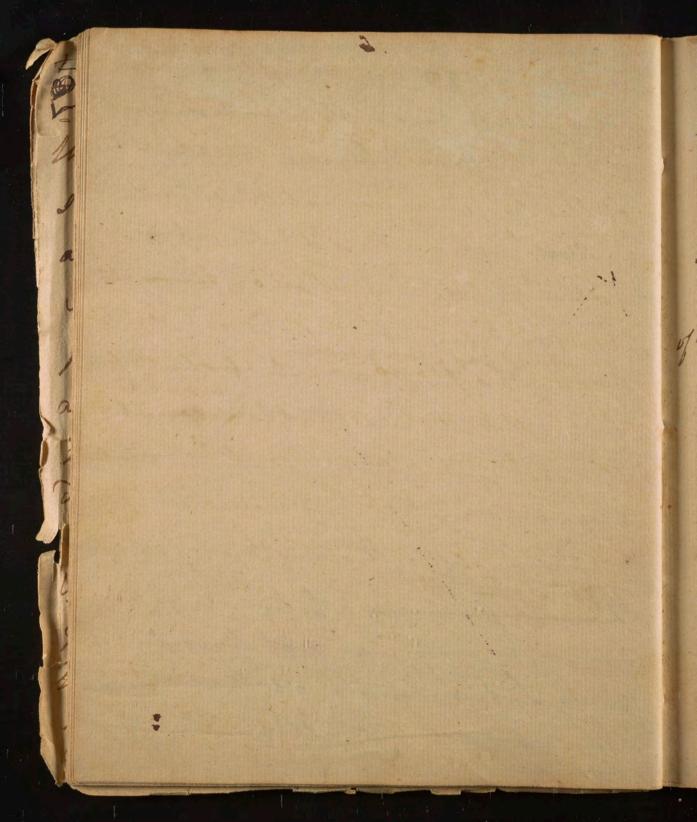
all the discuss of but weather, and parbulasty to the discuss of the eyes. 4 a litration in a mountanous loven a low Country - and hence the yeartest mumber of long hard people are to be found in the enountains of Swiperland of any Country in Enropel. The discusses The brunity of a town or country to marshy ground caponent way year to bilions & intermitting fivers. It is vicupary that the winds whichlolow upon these hitanations should papoven the 40 ground which eshales the minmata, and it is unashable that they produce Jevers more certainly if these winds are combined with.

British bold is who occupy the hights in the wightonshood of the city are always more sichly, than the bolders who are grantered in the Vallies below them, a here they often exchange fituations. De Hect: millen mentions a himilar fact at It Domingo of the greater un. - healthings of a high & mountainous It lituations, than of a fituation below et. How shall be account for this? Do the mointains arrest & detain the - montains Often do this with Clouds of rain - more especially when they one covered with lofty trees morning's on furt of a visions fact of a faill go which on Herting prices which I carely any rain ever fell, but which was plentifully of Stately pines tous in cossice an wountains

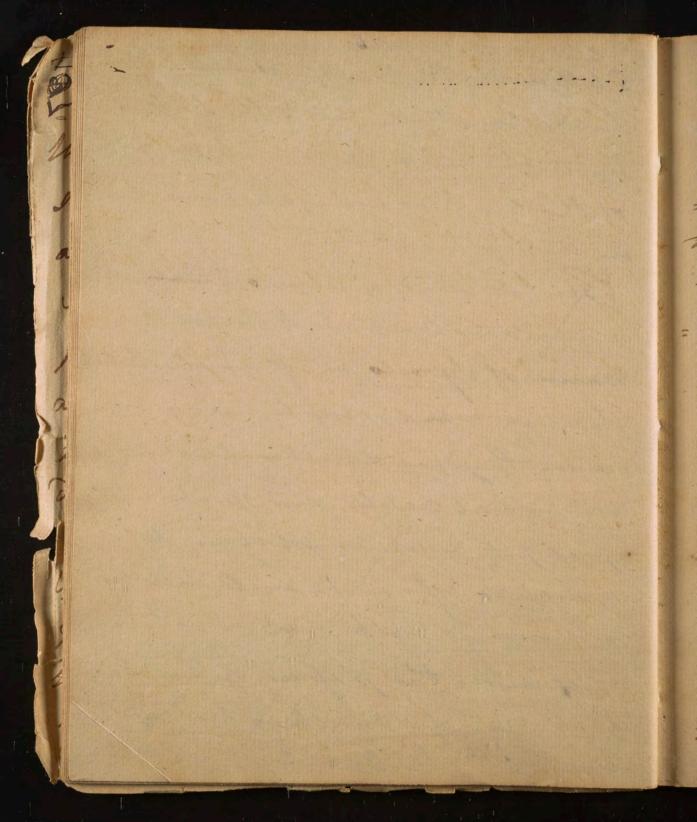
moderate vains This difficult to de-- timine how for mignita may be carried by the life au suite from Lemphine to Board have sure that their bing that their bing that their bing that their bing the board of their bing miles from the Shores of the Bisque hannels to the singue from the Shores of the Bisque hannels. ten, This has been weathered our the brules of war fungueboon water I papage of these minimate may earily be cheshed by trees or a copie of trus between po left or planted between the direction of the wind after it has paped over the mushy ground. The is remarkable that the minimutes from the tract called the brech below our city seldain produced a bilions Jever beyond South Street formany years, and the James Breaktime

Vis: vivacio & vitravona hilly prople vione by going there. Volucys them. living in the Vicinity of marsh exhalations. In the Contrary, they Often die soogh after they are removed be from this action. The Ininsmata here become an essential thinks of life. I V By Planting trees around mill power so as to prevent the rays of the Sun acting upon the shores of the ponds, effectrally prevents this producing Interniting, con bilious geners by exhalation.

fever in 1780 affected only one on two Streets views the water, and never extended beyond mashet Sheet in a troublern Dinetion. With Intermitting & bilious fevers follow the Danning of water in mill ponds. I once conversed in an old when I was a young wans of with from the generally eity, who toto me that he seement? the first internil for which ever appeared in his highbourhood. It my o . I the the ention of a brill. : milling fever was not known in nova Seotia - for at that time there was not a will in that



6 h brinity to deserts - cleared - on brody Countries - and to the Scaffere by influencing the sensible qualities of the his has an extensive influence on the human body. The hot winds of alippo flaty se Jonany other countries, known by the name of Lyrous is extremely debic - litating & for dispress to many dis-= cares. Bry Done describes it as having ocurred at traples, and speaks with great pity & contimpt of an Italian marquise whom he met with in a morning with supporting him: - self under the prepiece of this dis by means of a smelling bottles It appears to be pure air heated



by passing over inmense lows of fait. The binisty of a town or lountry to channed or lovody Countries qualty al. ters the temperature of the air, and thereby changes the nature of such dis: - cases as depend on its sensible quar the Cultivation of Hours ary & Germany, and the builtmited States of aminica will probably foresome more lep cold when the rays of him are permitted to act upon that extensive region which lies to the west of them on the lakes and in Janada. -The air on the fea those is of a pendias Graphty. It while the air at a small Distance from the Shore both on the

v also of last and fresh water see Alexade

land blea is perfetly healthy, that on the shore is unfriendly to the body, and in certain diseases . puch as the Asthma - & pulmonary Consumption. It would by this there many proofs . - It would sum as if a Collision or mixture of airs was unhant unhealthy in Other cases as well as the one that has bun named. I never sichned or publid in the worst offensive hispital deun visited during the late war - and yet I have done both as soon as I have Come out of the hispital & breather the pure air. It is hard to tell on in: the mucholsome quality of the lin on the moisture & Jaline nuture of the Leading A tountioned in this place.

a distance from the Shore . Butmay not this owing to the notion of the Ships imparting a bigor to the System which counterasts the morbid operation of the lea lies on the shore? If the Seafhore does not depend on its taking nature - it must be ascribed to its mixture with land lies, and a new compound being formed from it of which I can day nothing. I have only to and to this head - that the airon the Seafhore is medicinal for all the Diseases of the body except those where mentioned Viz: asthma-Consump: & Thurmatism. Circumstances, which disense to be

Vis often the Some of Discore, and that from the following canoe. I home its living brilt of green or unseamoned wood. The Japo wis confined within thew boards, is composed rometimes of Jacherine, de Often of fermentable matters, & by heat is so thanged as to become a forme of Disease. I trok within of this fact in Sporm new Ships & Solviers huts It's but of my busty to be prevented by Johning the wood or boards in water so as to Difforge the dap from them by means of the bates, which som evaporates from them, but if retained, is wet disposed to the fermentation with the wood. 2 à Dwelling honor is removered him healthy by being built of Home numbly taken out of the yound, of in that flate in megnatio with matters of a vegetable or mineral nature which huderes such Changes by the action of

mentioned in this place " a Residence in cellers is always unhealthy. Even the Sewants who spend the Day only in kilchens soon acquire a pule lolor, and are much disposed a residence in a hospital has the same esset.

2 a Forese words plantagoffen. produces the same diseases they have been ascribed to the prifel of line, but I should rather epppose they were to the Lines of surrounded in these of the street of surrounded in these of the street of the surrounded in these of that the is sometimes are unbealthings. in certain for cannot act upon every part of the at some time of the day is generally unhealthy. Of this I have hvor several instances. The fliocases produced in this way,

Cotonosphere on it as to writ on unwhat : some Vapor. These two Somes of discase in a wenty built house were to universally admitted in ancient Rome, that a house was ower inhabited by the wealthy africantill is rendered an healthy bother too doors in - habited by the moisture, and pushaps by the less by an unwholsome Vapor a promising Character & Brown's Died of in Consumption in this city Contracted from a pring into a mindly plastered house. Of a la buyg parieted. Headhath Refrom this cause is a downer of discuse from internal having a close aller, connected by a flair Case with the Chambers of the house. The w Speedy pathefaction of meat, the green mould on bread, the symedy erest on ison katchen be the short a offensive family engitted by green wood where the palled facegod engitted by green wood where keept him them indicate the unwholoone quality of the air in Bilth Lellers. Ivan which

have been assisted to the jeffhwier of the frees, not being famed of. in the day time. At Pirhaps the 10 Davafores of the less may be sufficient to count for them. e) 4 There is connetimes an unhealthy. both in towns & country wholly unconfuccted with any of the line mentioned. I once knew two former walight: which provid betal walnut the smiddle of winter in a trival court in this of winter in a trival houses that enasty adjurned each other probably from some bilth confined in the cellery subthin efflurie, ant of never was able to satisfy apigoelf of the Sonne

V a fait of a more singular nature, but connected with our belignt is related by Vass. - In the year 1713 a finer affected all the Profesors-Students reprinter of the In homewith of althout affecting any One of the inhabitants of the city. These strivents lind in different parts of the city it and the floor dit with the citizens. The funer was probably produced by a local exhalation from a privy - a foul Celler, or not rotten regetables wear the University he at these cours, in patients this we advised to change their habitations. \$ 139. in fact of your look - fewer fund.

— I trager ates in these . It is to be presented. in part by Chevinneys in a letter w. proserate motion & Circulation in the blir, or by having a frommunication kept celler door. wany healthay by their retaining of dishort water healthay by their retaining to diship want the adjoining chather.

from whenevit was element. 2h f have observed something still more unaccountable in our city. on the west of this Street between washet I auch Streets, len on twelve heads of families died in About Dight on nine years, while on the opposite hoe of the same Street only two persons died in the same munter of years. The deaths in the former casedvere wast of them with elifferent diseases.

They originated I have no Doubt in one
this uncomingen browtality or more of the causes white of which have been accidental - " or dip it it depend emminated. V on mass some sprosbid effluvia on 1-Dampnep - or generat air which 1 affected oug hoe of the fluit more thean another of he min Habitation

to gravel in it, or a dilth dag around the house, and weeked as as to sowent the water i en aposeting. & a house is sendened un healthy from its age when it is made of wood, the for wood when it dreams mits a vapor which has been known to produce an intermetting finer. This is taken notice by Dritaller. & By small, light Darhores Change of fit watering found earth of the body would report the body & survey of the close, and Imohy soms. To & obviate Smohe doors & windows are frequently opened by which preams tolds are taken which of ten terminate in pulmonary Consumption. But & chartly desting houses are our healthy from the want of Chunkings. The fieth which for Disease is it is true not often seen in a parlow, or common Titling worn. It is his generally his from the eye in a yard, a celler - or Closet, be the gamet. Deproduct considered the

the Thurs have I pointed all out all the the Circumstances which are connected we the dir that produce discuses . I have 0 hillusto said hothing of sperific lon tagions which are conveyed thro the endinen of the air into y human place, in our Syllaboro, but they will come in throne properly under goto p:139 w4 p I that first aliven a few remarks on the inthrence of tight on them, I shall present you with a table of the medium duration of. burnan life in all the fitnestions which I have described in a broothern and middle Chinate. It is taken from Dr Daignan's tables of human life ....

good practice if the hospectors of the head the of our cities from would, in this visits to houses, invitate the Combut of D'Swift who intering the parlow of his friend mos Pilkinton with whom he was invited to dine, affered to sit down, lasfords, but suddenly walked up her Plains, bearaniened every room, & closet in her house. Upon selvering into her parlorer, he said of per = ceive mad am - you are a good house wife. I give you no credit for the matirely & cleanness of your parlows, in which you expected to see Company - But It have found all your rooms & closets to be as reat & clean as your parlower. I tomy and the fresh in aller hiltering not morning and his form to the fresh with the son properly closed hims winter & Doors, as the transfer the winter & Doors, as the transfer the parish to the Willages are unhealthy from the wiwholsome gratiles of the water that is issed by them. Of this 2 have known a somashable instance

northern 134 and de latitudes. Titration 40-642 mountanous 42 -to 44 Hilly -61 - to 43 39-41 Vallies ho - 42 38 - 40 40 - 42 Fromots ho - 42 mines and I 21 \_\_ 23 26 - 28 39-40 -42 mount lountry Uniquel Do - 40 36 - 38 38 34 - 36 28 - 30varied Do 35 37 30 32 Landy Do 28 -30 30 32 gravely Do 28 - 30 Stony Do 30 - 32 30 - 32 elevatio Do 39 - 41 22 - 24 plants - 26 Theit wentry 30 - 32 27 -29 30 - 32 lever Do 30 -32 21 - 22 nation Do 24 - 25 21 \_ 22 low Do 22 - 2323 - 24 mist Do: 21 23 marshy 9

in this ists : These or observations funt: to the lives of our patients, & to the sepin= - tation of a physician. where a family is exclusively, & frequently affected with Sichness lower One of the Courses that have been mentioned Should always be hespett, & mean a strict inquiry should be made after them. Chronic discases I believe are Often brought on & continued by them. I shall relate three facts which are calculated to imprefs the remarks that have been made upon your memories. go to p: 131 0= the a house is sometimes rendered unhealthy They being two closely surrounded by trees. of This I have known emped instances. The Dansprick produced by them is probably the course of it in the young & early part of Summer, I perhaps by the parties toutes pretienties of their leaves, in the fatter part of hummer, I from husing of milioner see about

northern Umiddle latitudes Titration. near & course ho to 41 38 -to of quatrious 26 to 26 29near Lakes 25 to 27 21 -32 Bogs or Jwamps 26 25 - 26 25 -Jea Coast -21 - 22 21 -22 Heaths 21 - 22 21 -22 Browns 22. 21 - 22 21 -Dry lands nothing has been said here of the medium of human life in enties probably burnes the hibration of. cities is affected by all the Ciscion. stances which have been encerting. - Exchoine of exhalations from will be wore or less healthy acon -

in the Utabes from front the loute fle have be built low and as near the ground as possible in the Country - they are this coolest an Remoner, Awarmest in winter. Only soon in way house is wol anording to its line . It Pauls church is always cooler by go than the smaller avours of Irmounding houses. The ferver the Evindows, & down of a fronse, the cooler in Summer of the backlinin wrinter. hum buch to = 12:135 These Observations &e

